

## Sheet 1/ 22

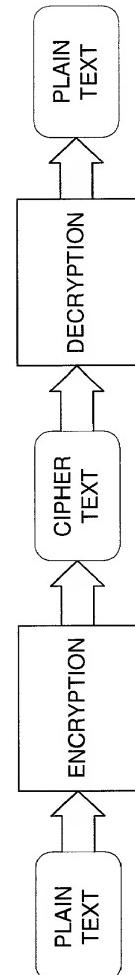


FIG. 1A

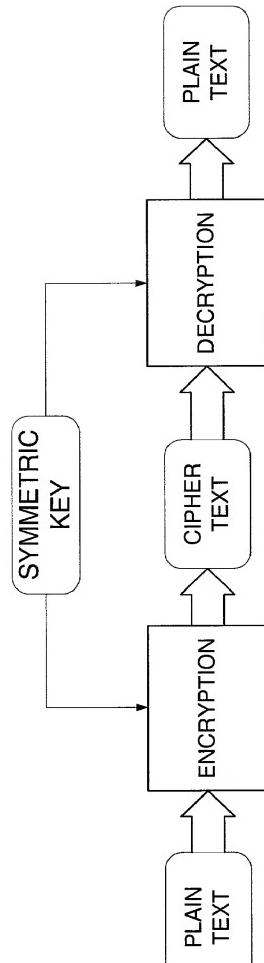


FIG. 1B

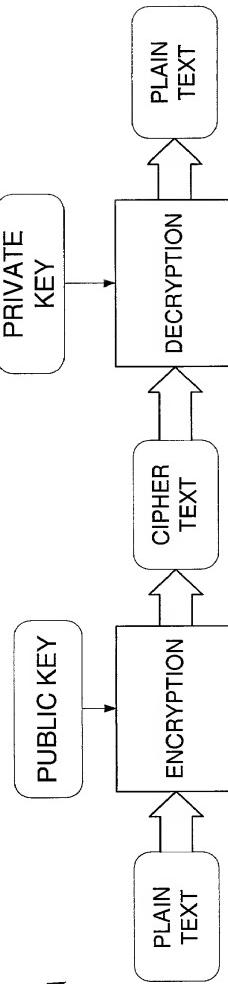


FIG. 1C

10

20

30

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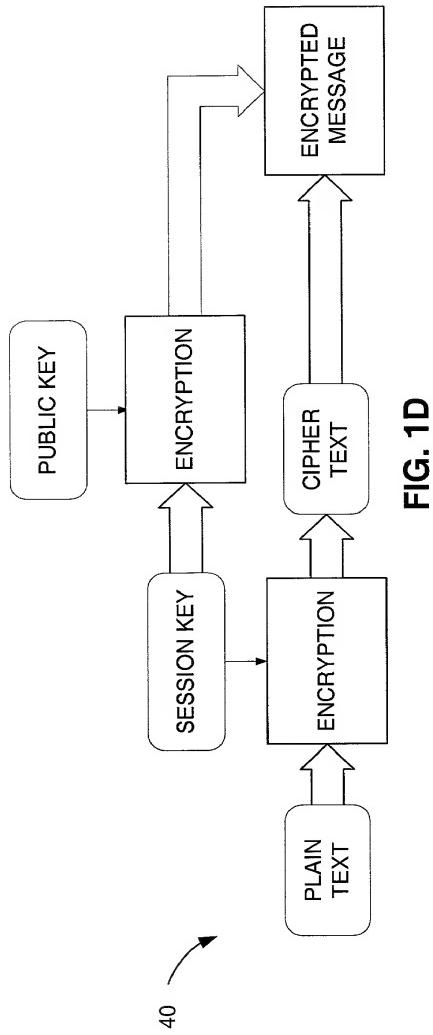


FIG. 1D

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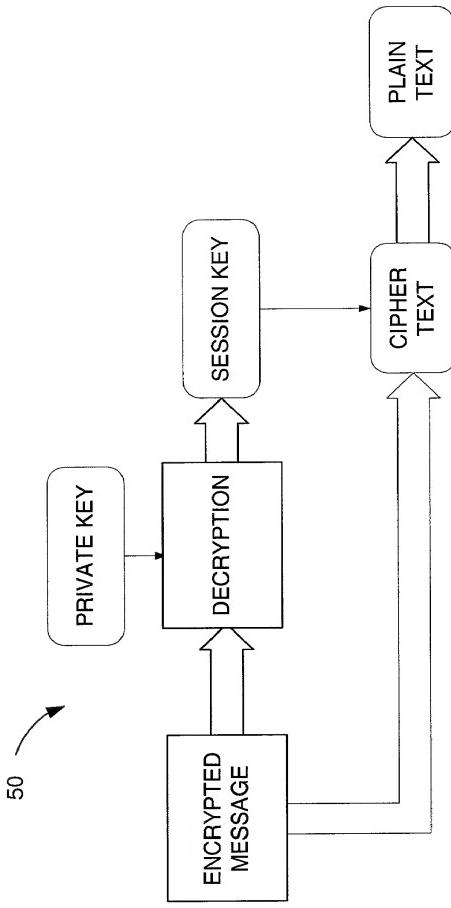


FIG. 1E

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100

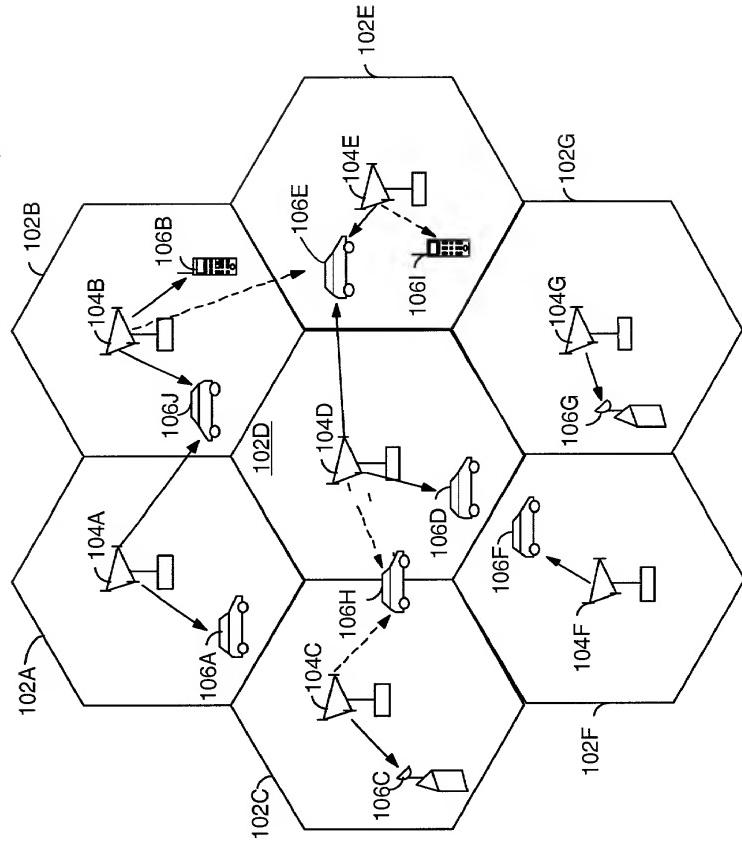


FIG. 2

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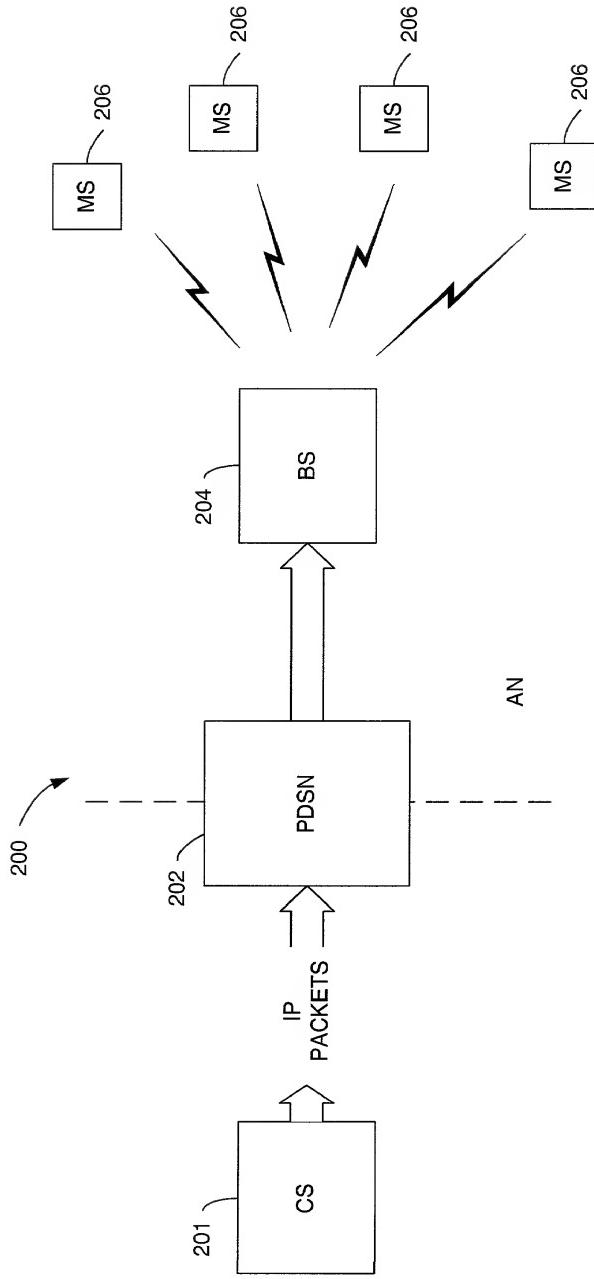


FIG. 3

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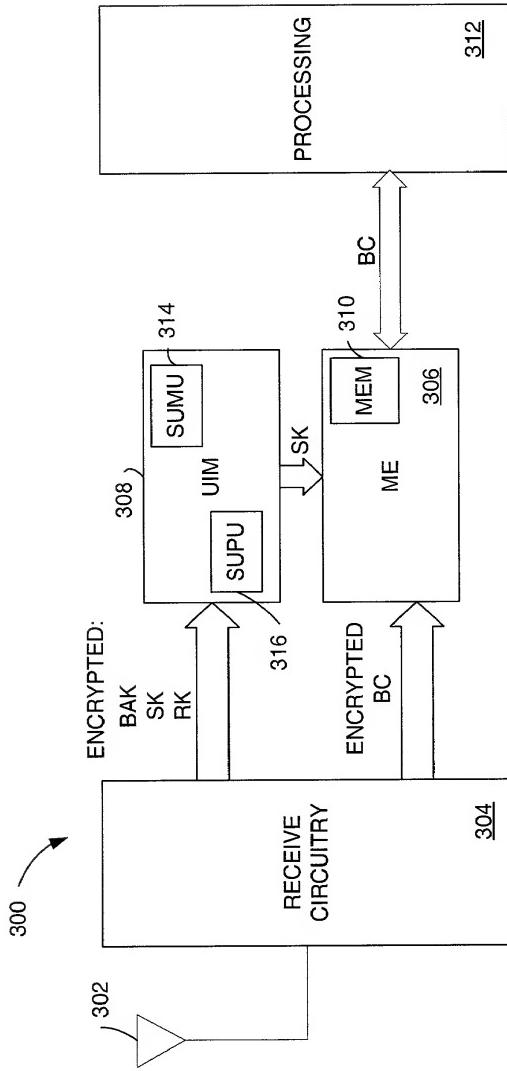
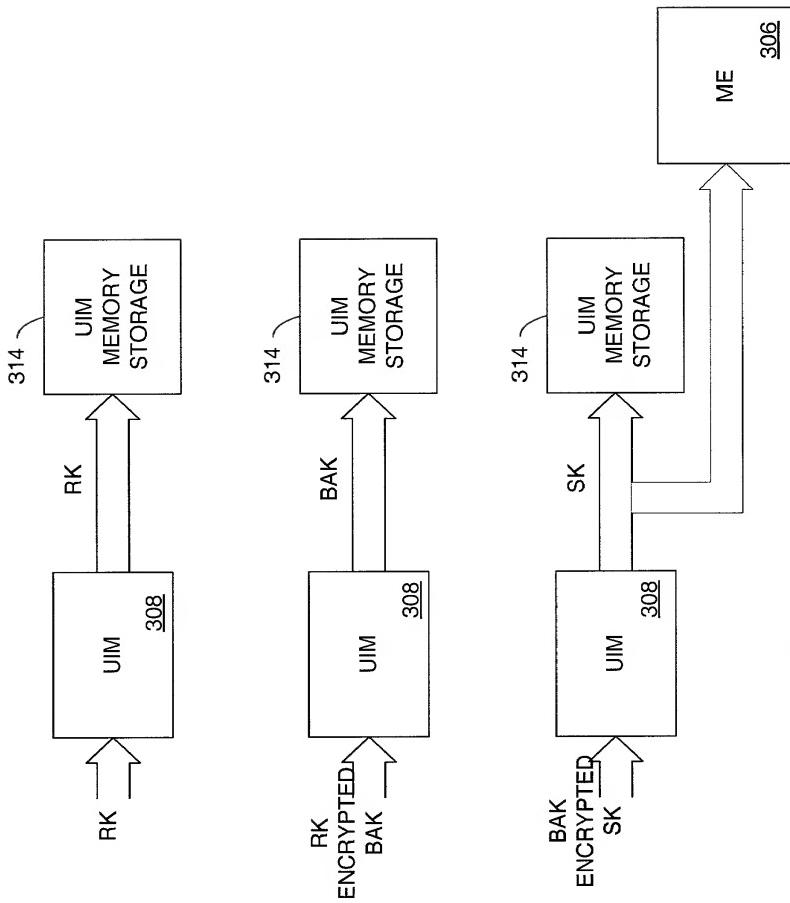


FIG. 4

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**FIG. 5A**

## Sheet 8/22

314

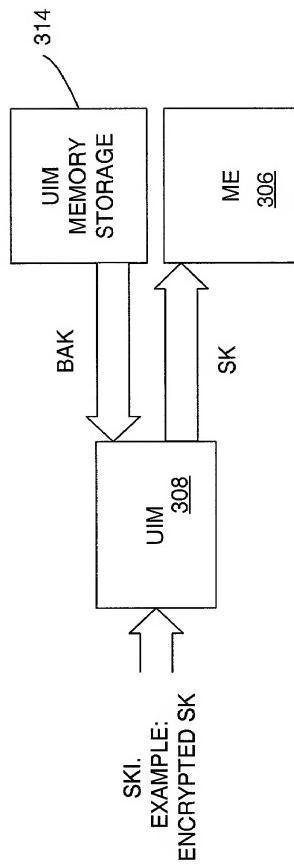
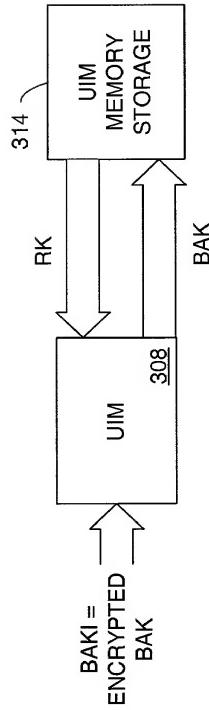
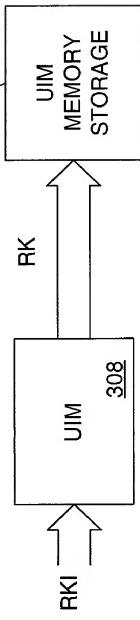
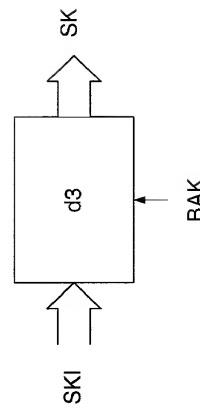
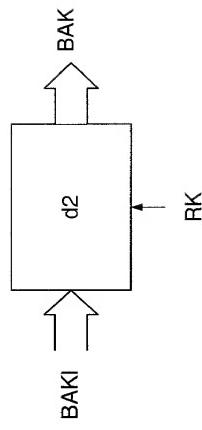
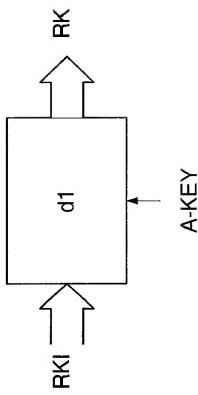


FIG. 5B

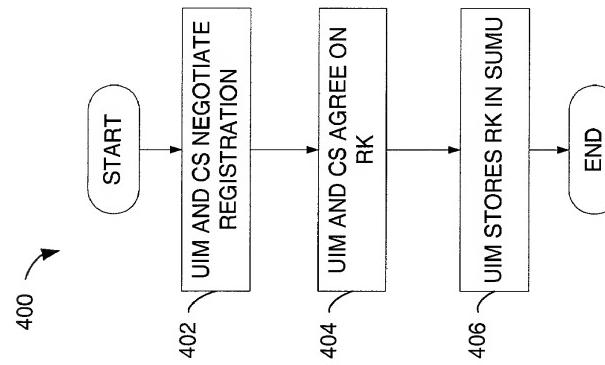
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350 ↗

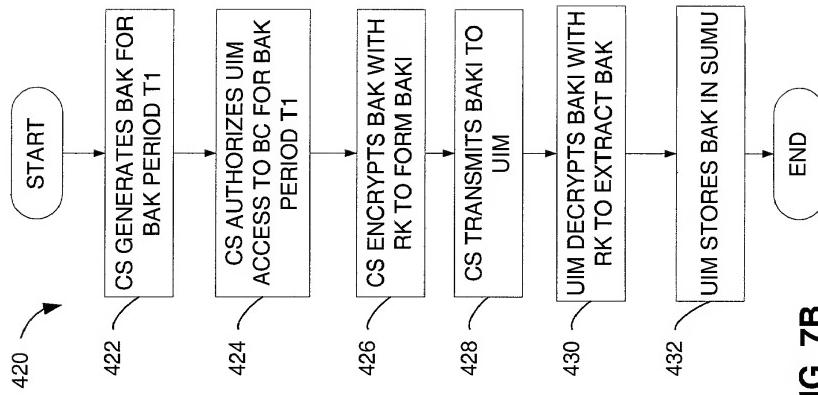


**FIG. 6**

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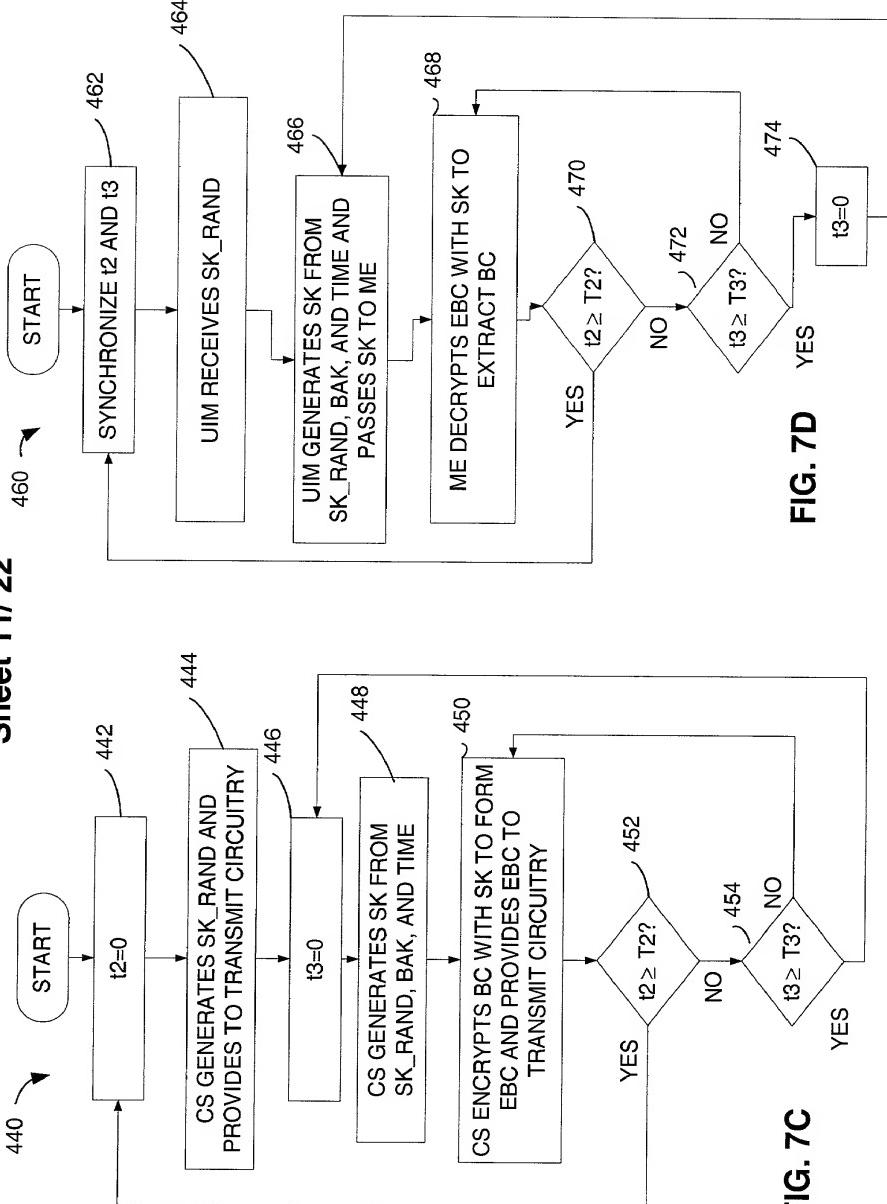


**FIG. 7A**



**FIG. 7B**

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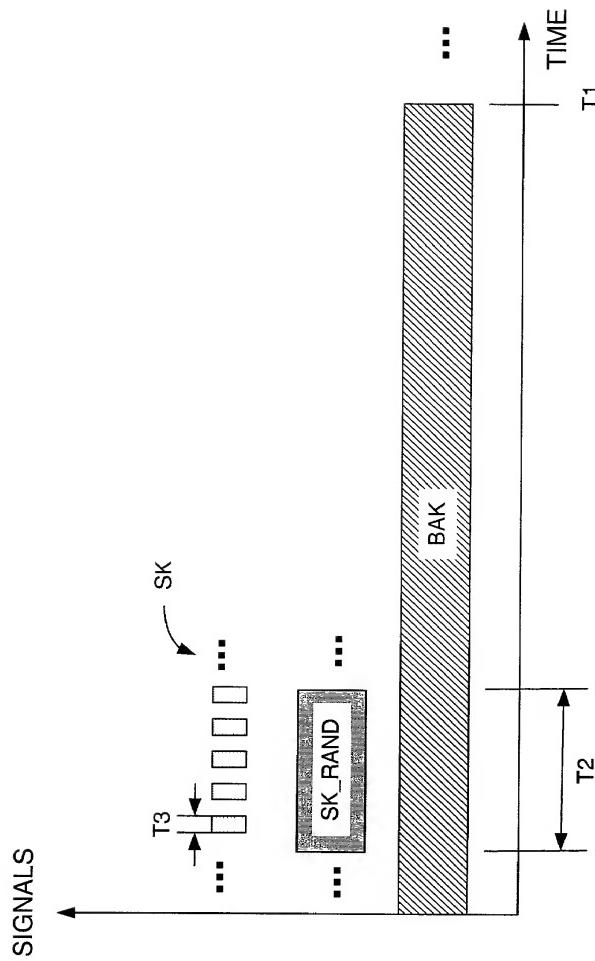


FIG. 7E

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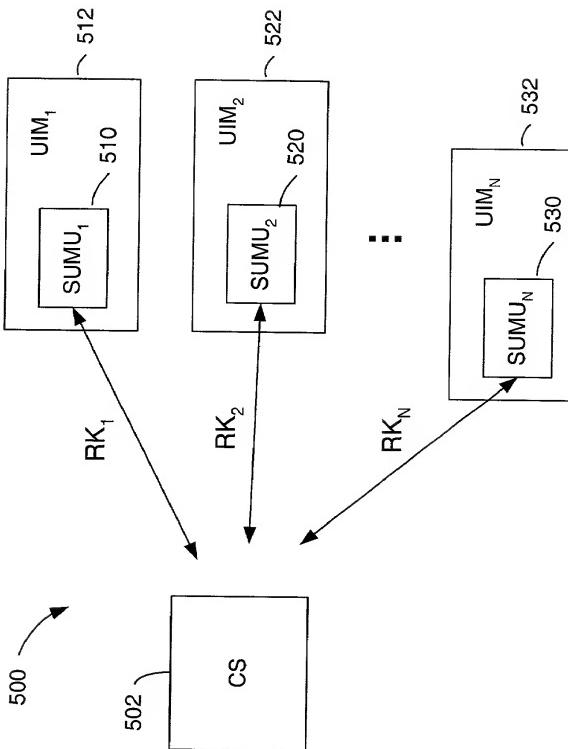
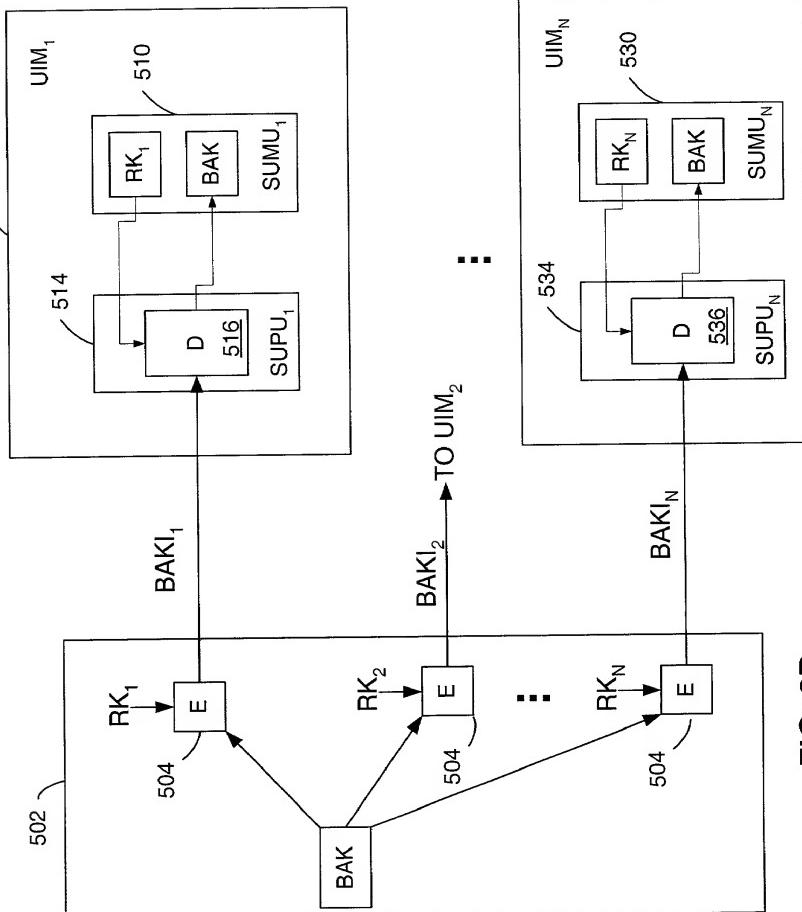


FIG. 8A

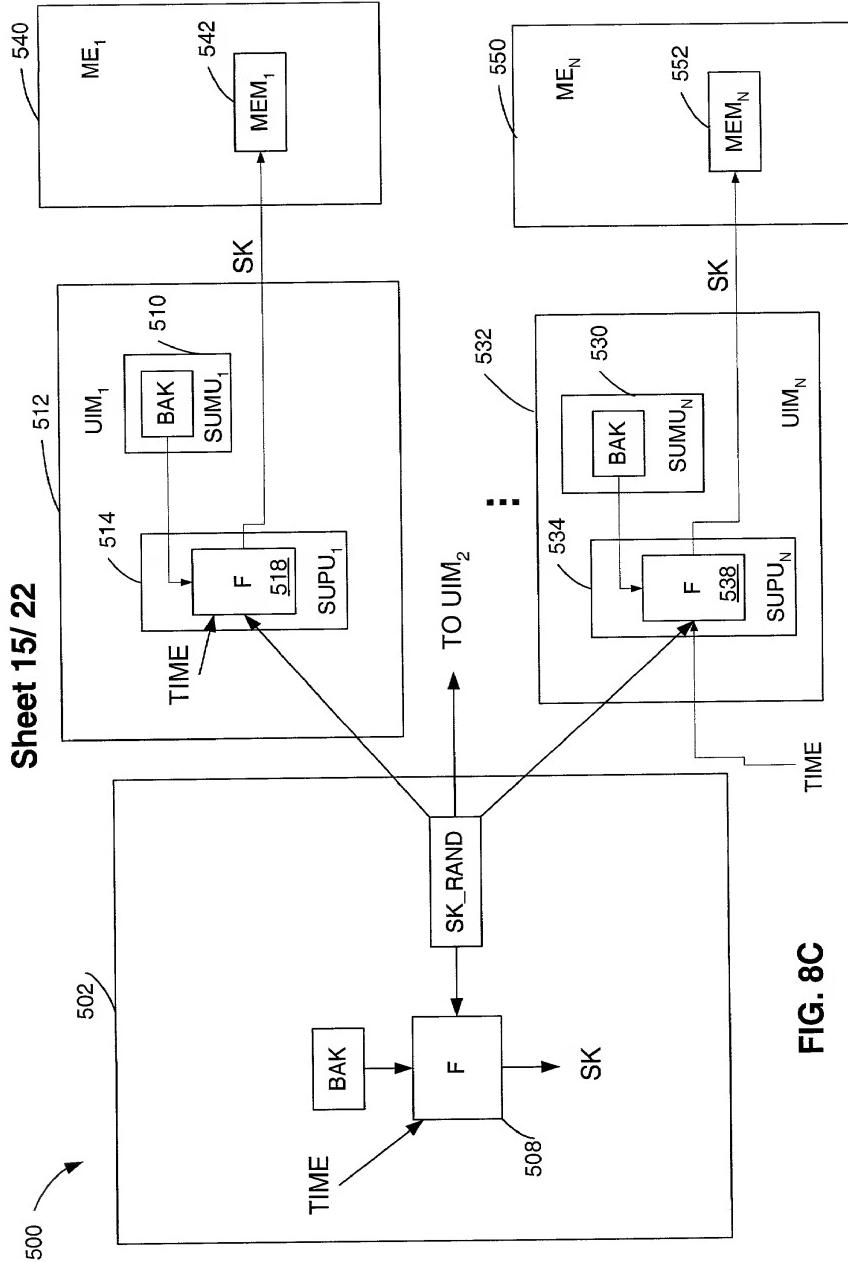
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500 → 502 → 512



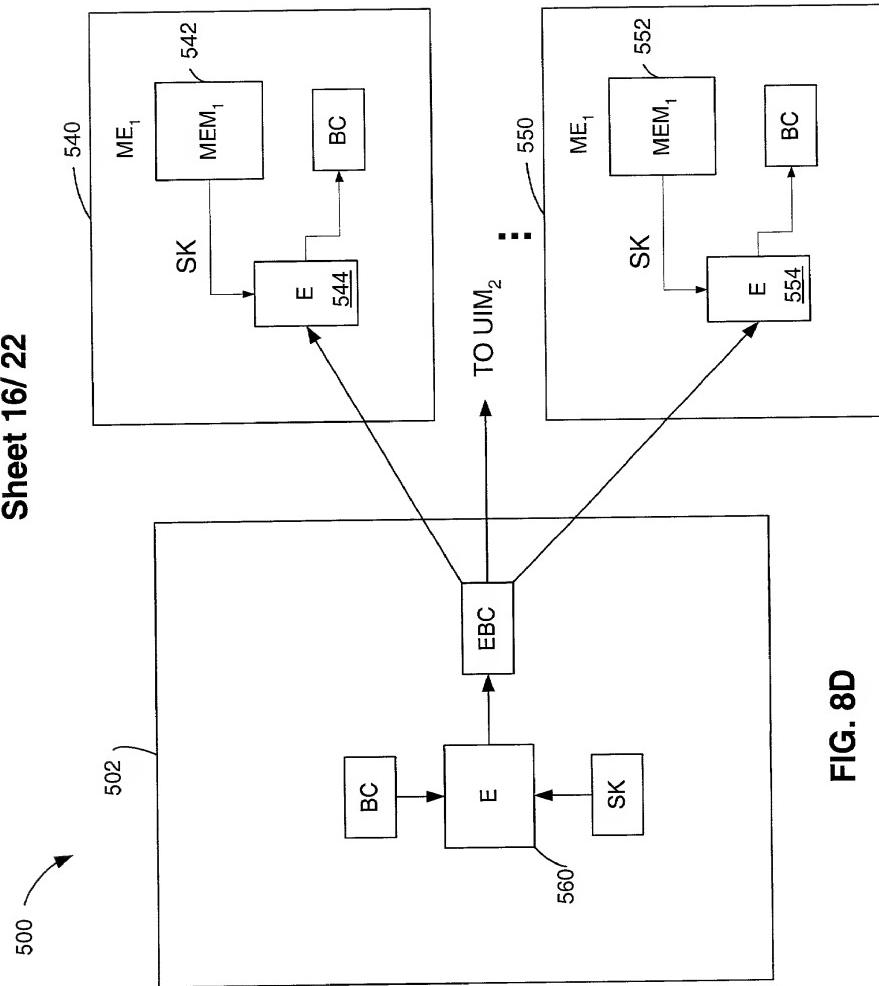
**FIG. 8B**

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**FIG. 8C**

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**FIG. 8D**

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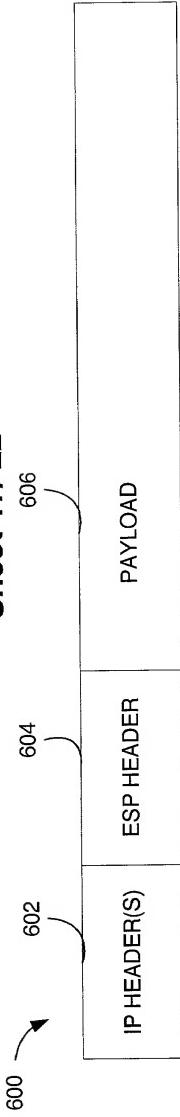


FIG. 9A

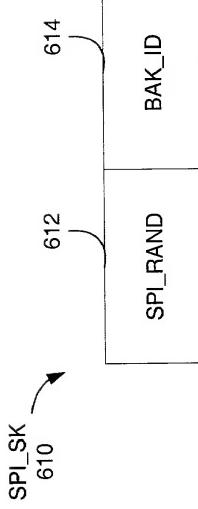


FIG. 9B

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620 ↗

SPI_SK	SK VALUE
SPI_SK	SK VALUE
⋮	
SPI_SK	SK VALUE

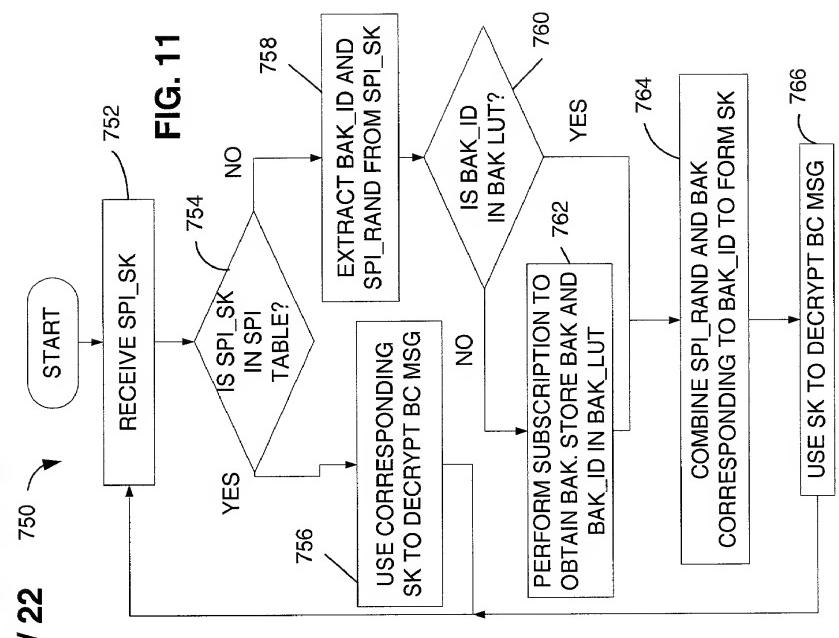
630 ↗

BAK_ID	BAK VALUE	EXPIRATION
BAK_ID	BAK VALUE	EXPIRATION
⋮		
BAK_ID	BAK VALUE	EXPIRATION

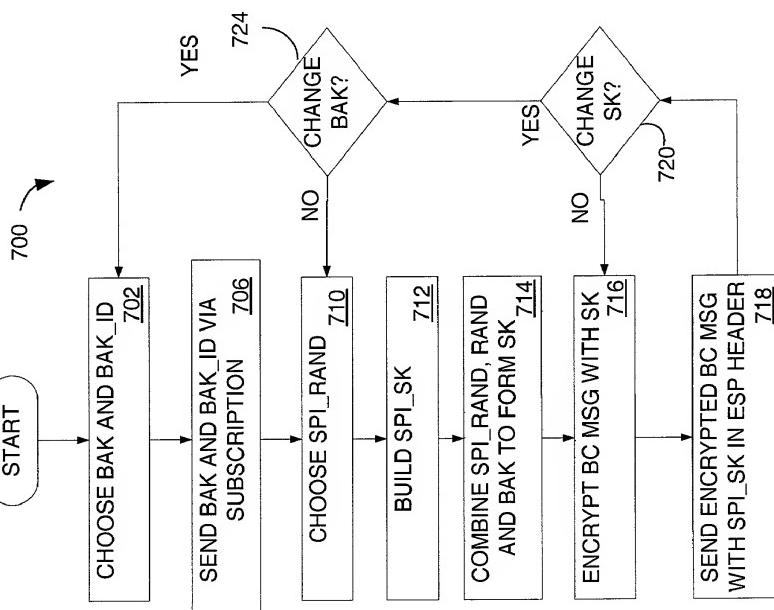
**FIG. 9C**

**FIG. 9D**

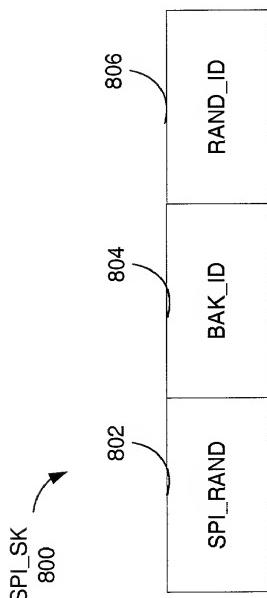
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**FIG. 10**



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**FIG. 12A**

Diagram illustrating the structure of the EXPIRATION table:

RAND_ID	RAND VALUE	EXPIRATION
RAND_ID	RAND VALUE	EXPIRATION
RAND_ID	RAND VALUE	EXPIRATION
⋮		
RAND_ID	RAND VALUE	EXPIRATION

**FIG. 12B**

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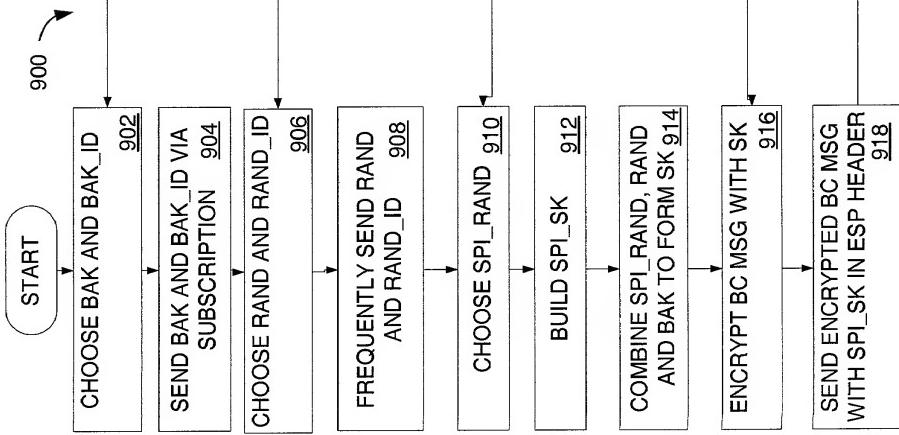
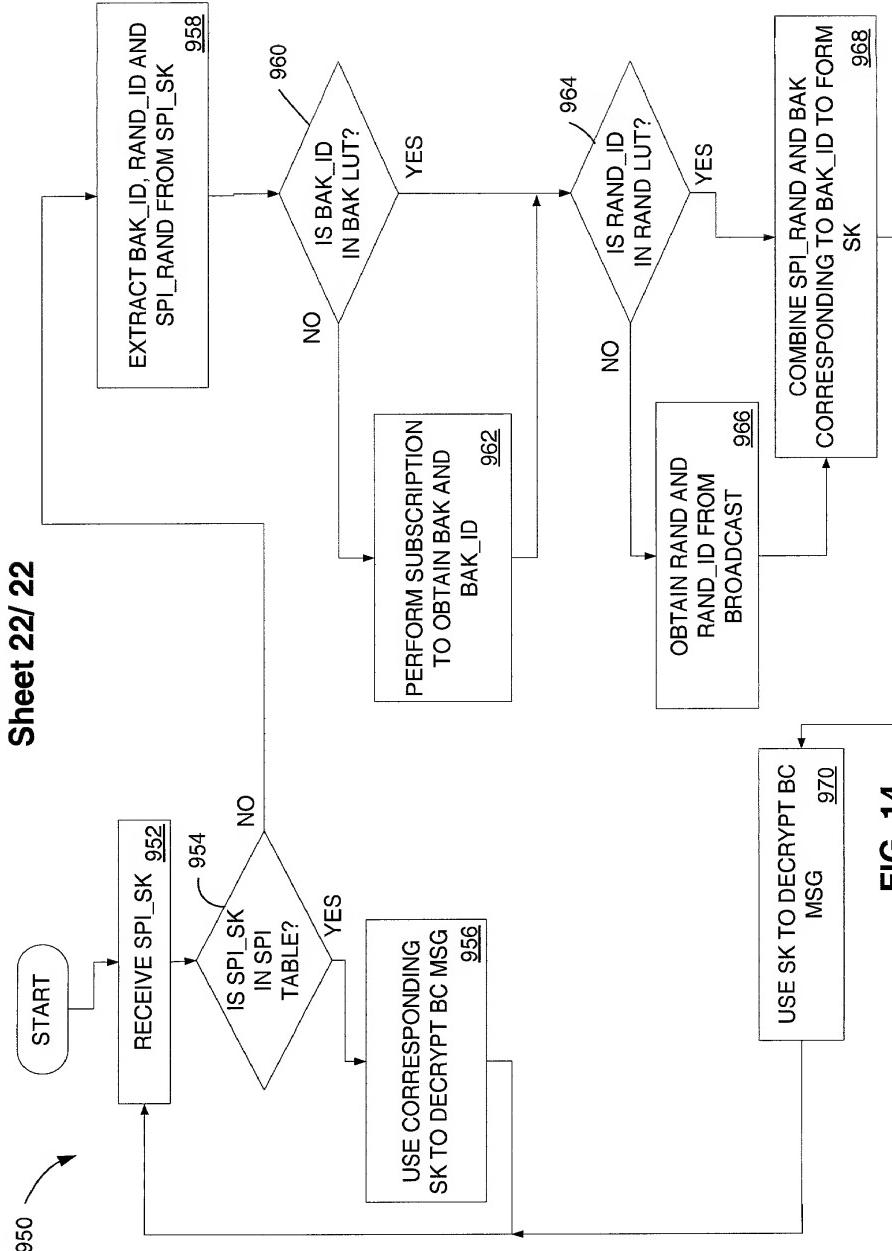


FIG. 13

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**FIG. 14**